

F. A. Lane was married in  
Shamrock. 1-12-65

FILE NOTATION

Entered in NID File ☒

Entered on G.R. Sheet ☐

Location Map Pinned ☒

Card Indexed ☒

IWR for State or Fee Land ☐

Checked by Chief *PMB*

Copy NID to Field Office ☐

Approval Letter ☐

Disapproval Letter ☐

COMPLETION DATA:

Date Well Completed 5-27-64

OW ☐ WW ☐ TA ☐

GW ☐ OS ☐ PA ☒

Location Inspected ☐

Bond released ☐

State of Fee Land ☐

LOGS FILED

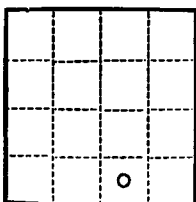
Driller's Log 6-3-64

Electric Logs (No. 1) 2

E ☐ L ☐ EI ☒ GR ☐ GR-N ☐ Micro ☐

Est ☐ M-L ☐ Sonic ☒ Others ☐

*Sub report of abandonment*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office Utah

Lease No. U-0114253

Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 17, 1964

SWSE Well No. 1 is located 746 ft. from xx <sup>(N)</sup><sub>(S)</sub> line and 1980 ft. from xx <sup>(E)</sup><sub>(W)</sub> line of sec. 27

SW SE (Sec. and 34 (No.)) 27 (Twp. S) 22 E (Range E) Salt Lake (Meridian)  
Wasatch (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4739 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Estimated formation tops:

Uinta surface  
Green River 1579  
Estimated T. D. 6100

Casing Program:

9-5/8" 32# casing set @ 200'.  
Cement to circulate.  
5 1/2" 14-15.5# casing set through  
all potential producing zones. ✓

To test potential producing zones in the Green River formation. ✓

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

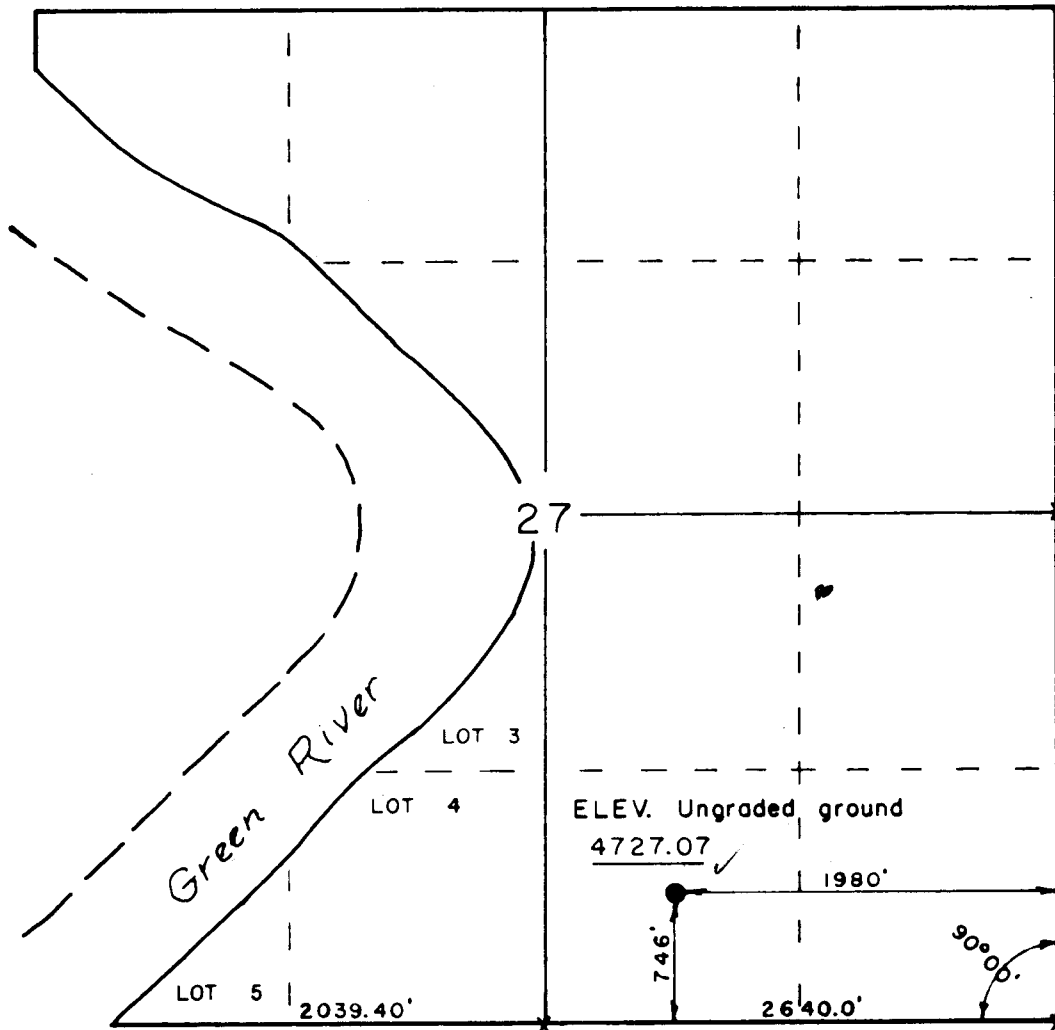
Company The Shamrock Oil and Gas Corporation

Address 870 First Security Building  
Salt Lake City, Utah, 84111

By Salp. L. Thomas

Title District Geologist

T 8 S, R 20 E, SLB & M



X= Corners Located (Stone)

Scale: 1" = 1000'

*Helen J. Marshall*

By: ROSS CONSTRUCTION CO.  
Vernal, Utah

PARTY  
Gene Stewart  
L.D. Taylor  
S. Cooper  
WEATHER Clear-Cold

SURVEY  
SHAMROCK OIL & GAS CORP.  
WELL LOC. MANDEL NO.1, LOCATED AS SHOWN IN THE  
SW 1/4, SE 1/4, SEC. 27, T8S, R20E, SLB & M.  
UINTAH COUNTY, UTAH.

DATE 3/11/1964  
REFERENCES  
GLO Township Plat  
Approved 1883  
FILE SHAMROCK

April 20, 1964

The Shamrock Oil and Gas Corporation  
870 First Security Building  
Salt Lake City, Utah, 84111

Attention: Mr. Ralph Thomas, District Geologist

Re: Notice of Intention to Drill Well  
No. MANDREL FEDERAL #1, 746' FSL  
& 1980' FSL, of Section 27, T. 8 S.  
R. 20 E., Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer  
Office: DA 8-5771 or DA 8-5772  
Home: CR 7-2890  
Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

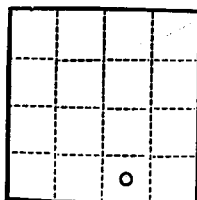
Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLAREN E. FRECHT  
EXECUTIVE ENGINEER

CEW:kjw

CC: Rodney Smith, Dist. Eng., U. S. Geological Survey, Salt Lake City, Utah  
Harvey L. Coonts, Pet. Eng., Utah Oil & Gas Conser. Comm., Moab, Utah



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4  
Form Approved.

Land Office Utah  
Lease No. U-0140741  
Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent report of running surface casing</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 27, 1964

**Mandel Federal**

Well No. 1 is located 746 ft. from S line and 1960 ft. from E line of sec. 27

SW SE 27 S S 20 E Salt Lake

( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Utah Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4739 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 219' of 9-5/8" 32.32# Grade B casing. Set casing at 231 feet.  
Cemented with 200 sacks regular cement with 2% NA-5 added.  
Cement circulated.

Spud April 26, 1964.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Shamrock Oil and Gas Corporation

Address 870 First Security Building

Salt Lake City, Utah, 84111

By Ralph Thomas

Title District Geologist

CONFIDENTIAL

Form approved.  
Budget Bureau No. 42-R356.5.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Utah  
LAND OFFICE U-0140741  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1964,

Agent's address 870 First Security Building Company The Shamrock Oil and Gas Corporation

Salt Lake City, Utah

Signed

*Ralph Thomas*

Phone 328-0165

Agent's title District Geologist

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 27 SW SE	SS	20E	1		Spud 4-26-64. § 12½" to 240'. Set 9-5/8" casing at 231' with 200 ex. Drilling at 1975' with water.					

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



**THE SHAMROCK OIL AND GAS CORPORATION**

FIRST NATIONAL BANK BUILDING

BOX 631 - AMARILLO, TEXAS

Salt Lake City, Utah, 84111

May 5, 1964

Reply to:  
Intermountain Exploration District  
First Security Bldg. Room 870  
Salt Lake City 11, Utah

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Gentlemen:

Will you please hold confidential the information sent you  
on our Mandel Federal No. 1 well located in Section 27, Township  
8 South, Range 20 East, Uintah County, Utah.

Very truly yours,

Ralph Thomas  
District Geologist

RT:ls



CONFIDENTIAL

Form approved.  
Budget Bureau No. 42-R356.5.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLAND OFFICE Utah  
LEASE NUMBER 0140741  
UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field WildcatThe following is a correct report of operations and production (including drilling and producing wells) for the month of May, 19 64,Agent's address 870 First Security Building Company The Shamrock Oil and Gas Corp.  
Salt Lake City, Utah, 84111 Signed Edwin B. SchellPhone 328-0165 Agent's title Geologist

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 27 SW SE	8S	20E	1		DST #1: 3893-3913, Op 30 min., SI 30 min., Op 30 min. SI 30 min. Very wk blo on pre-flow, dead in 5 min. Re-op tool, dead; bypassed tool in 15 min., dead. Rec 120' brackish wtr. FP 43-43, SIP 1890-1890, HH 2017-2017. DST #2: 5233-89. Op 30 min., SI 30 min., Op 60 min., SI 60 min. Had weak blo thruout test. Rec 60' Ø mud. FP 64-85, SIP 128-128, HH 2837-2837. DST #3: 5352-86. Op 30 min., SI 30 min., Op 30 min., SI 30 min. Had very wk blo on pre-flow, died 14 min. after re-op tool. Rec 30' Ø mud w/specks of oil. FP 21-21, SIP 42-42, HH 2882-2892. DST #4: 5543-66, Op 30 min., SI 30 min., Op 90 min., SI 60 min. Had good blo on pre-flow, decr to fair in 15 min., cont on re-op and decr to very wk at EOT. Rec 20' OGCM. FP 42-42, SIP 169-212, HH 2977-2977. DST #5: 5576-96. Op 30 min., SI 30 min., Op 90 min., SI 60 min. Had good blo on pre-flow, GTS 20 min., GTS 5-6 MFPD. Had good blo on re-op, decr ali @ EOT. Rec 20' OGCM. FP 21-21, SIP 1521-1816, HH 3019-2997. DST #6: 5637-54. Op 30 min., SI 30 min., Op 60 min., SI 60 min. Had good blo on pre-flow, decr to fair blo in 5 min. Had wk blo on re-op, decr to EOT. Rec 30' Ø mud, FP 21-21, SIP 127-148, HH 3061-3061. TD 6100'. Ran logs. Comp 5-27-64. Plugged and abandoned.					

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

PLUGGING PROGRAM FORM

Name of Company SHAMROCK OIL & GAS Verbal Approval Given To: RALPH THOMAS

Well Name: #1 MANDEL - Federal Sec. 27 T. 8S R. 20E County: LI

Verbal Approval was given to plug the above mentioned well in the following manner:

T.P. 6100' IN WASATCH

5500-5600 - DST 5mcf

3800-3900 - stabilizer

1500-1600 - ~~164'~~ top 1541' top Greer river

30' across surface 231'

10

NO SHOWS 6 DST - all dry

Started 5-27-64 PLUGGING

THE ABOVE approved by U.S.G.S.

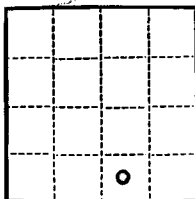
Date Verbally Approved: 5-27-64

Signed: Harvey L. Coomb  
Pilot License Engineer

CONFIDENTIAL

Form 9-381a  
(Feb. 1951)

Budget Bureau No. 42-R358.4.  
Form Approved.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-01407A1  
Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 2, 1964

**Mandel Federal**

Well No. 1 is located 746 ft. from N line and 1980 ft. from E line of sec. 27

SW SE 27 S S 20 E Salt Lake

Willard (Sec. No.) Utah (Twp.) Utah (Range) Utah (Meridian)

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4739 ft. **K.B.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth 6100'

Plugs: 30 sacks @ 5493-5593

30 sacks @ 3788-3888

30 sacks @ 1603-1703

30 sacks @ 194-280

10 sacks @ surface

Drilling mud between all plugs.

Plugged and abandoned May 27, 1964

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

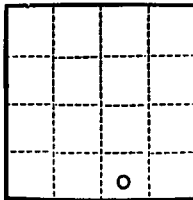
**The Shamrock Oil and Gas Corporation**

Company 870 First Security Building

Address Salt Lake City, Utah, 84111

By Edwin B. Isbell

Title Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-0140741  
Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<b>X</b>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 2, 19 64

Mandel Federal

Well No. 1 is located 746 ft. from S line and 1980 ft. from E line of sec. 27SW SE 27  
(1/4 Sec. and Sec. No.)S S 20 E  
(Twp.) (Range)Salt Lake  
(Meridian)Wildcat  
(Field)Utah  
(County or Subdivision)Utah  
(State or Territory)The elevation of the derrick floor above sea level is 4739 ft. L.S.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Request permission to plug and abandon because well is non-commercial.

Proposed plugs: 30 sacks @ 5493-5593  
30 sacks @ 3788-3888  
30 sacks @ 1603-1703  
30 sacks @ 194-380  
10 sacks @ surface

Drilling mud to be between all plugs.

Total depth 6100'.

Oral approval obtained 5-26-64.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Shamrock Oil and Gas CorporationAddress 670 First Security BuildingSalt Lake City, Utah, 84111By Edwin B. IsbellTitle Geologist

CONFIDENTIAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. REVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR <b>The Shamrock Oil and Gas Corporation</b>							
3. ADDRESS OF OPERATOR <b>870 First Security Building, Salt Lake City, Utah</b>							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>746' N of S line, 1980' W of E line.</b> At top prod. interval reported below At total depth							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED <b>4-26-64</b>	16. DATE T.D. REACHED <b>5-26-64</b>	17. DATE COMPL. (Ready to prod.) <b>5-27-64</b>	18. ELEVATIONS (DF, REB, RT, OR, ETC.) <b>4737 (KB)</b>	19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD <b>6100</b>	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS <b>C-6100</b>		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <b>None</b>				25. WAS DIRECTIONAL SURVEY MADE <b>No</b>			
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>IES, GR-Sonic-Caliper</b>				27. WAS WELL CORED <b>No</b>			
28. CASING RECORD (Report all strings set in well)							
CASING SIZE <b>9-5/8"</b>	WEIGHT, LB./FT. <b>32.32#</b>	DEPTH SET (MD) <b>231'</b>	HOLE SIZE <b>12 1/4"</b>	CEMENTING RECORD <b>200 sx Reg + 25 NA-5</b>		AMOUNT PULLED	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) <b>None</b>				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION				WELL STATUS (Producing or shut-in)			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							TEST WITNESSED BY
35. LIST OF ATTACHMENTS <b>None</b>							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <b>Edwin B. Schell</b>				TITLE <b>Geologist</b>		DATE <b>6-2-64</b>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.) formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form; see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, of intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Gracks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL WELL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

DESCRIPTION, CONTENTS, ETC.

TOP

3875

Parishville Creek

BOTTOM

3904

Sd - P.G. (W)

38.

GEOLOGIC MARKERS

NAME

MEAS. DEPTH

TOP

TRUE VERT. DEPTH

Green River 1641  
Basal Green River 4100  
Douglas Creek 4863  
Wasatch Tongue 5525  
Wasatch 6042

JUN 3 1964

37. Summary of Porous Zones (continued)

DST #1: 3893-3913. Tool open 30 min., SI 30 min., open 30 min., shut in 30 min. Had very weak blow on pre-flow, dead in 5 min. Re-opened tool, dead. Bypassed tool in 15 min., dead.  
Rec 120' brackish water. FP 43-43, SIP 1890-1890, HH 2017-2017.  
DST #2: 5233-89. Opn 30 min., SI 30 min., open 60 min., SI 60 min. Had weak blo thruout test. Rec 60' drilling mud.  
FP 64-85, SIP 128-128, HH 2837-2837.  
DST #3: 5352-86. Open 30 min., SI 30 min., open 30 min., SI 30 min. Had very weak blow on pre-flow, died 14 min., after re-op tool.  
Rec. 30' drilling mud w/specks of oil. FP 21-21, SIP 42-42, HH 2882-2892.  
DST #4: 5543-66. Open 30 min., SI 30 min., open 90 min., SI 60 min. Had good blow on pre-flow, decr to fair blo in 15 min., continued on re-opening and decr to very weak blow at end of test. Rec 20' O&GCM.  
FP 42-42, SIP 169-212, HH 2977-2977.  
DST #5: 5576-96. Open 30 min., SI 30 min., open 90 min., SI 60 min. Had good blow on pre-flow, Gas to surface 20 min., gg 5-6 MCFFPD. Had good blow on re-opening, decr slightly at end of test. Rec 20' GCM.  
FP 21-21, SIP 1521-1816, HH 3019-2997.  
DST #6: 5637-54. Open 30 min., SI 30 min., open 60 min., SI 60 min. Had good blow on pre-flow, decr to fair blo in 5 min., had weak blow on re-opening, decr to end of test. Rec 30' drilling mud. FP 21-21, SIP 127-148, HH 3061-3061

CONFIDENTIAL

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
310 NEWHOUSE BUILDING  
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Mandel Federal #1

Operator The Shamrock Oil and Gas Corp. Address Salt Lake City Phone 328-0165

Contractor Miracle & Wooster Address Vernal, Utah Phone 789-2661

Location: SW 1/4 SE 1/4 Sec. 27 T. 8 S R. 20 E Uintah County, Utah.

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	NONE			
2.				
3.				
4.				
5.				

(Continued on reverse side if necessary)

Formation Tops:

Green River	1641
Basal Green River	4100
Douglas Creek	4863
Wasatch Tongue	5525
Wasatch	6042

Remarks:

Plugged and abandoned 5-27-64

**NOTE:** (a) Upon diminishing supply of forms, please inform the Commission  
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure. (See back of form)



June 11, 1964

The Shamrock Oil and Gas Company  
870 First Security Building  
Salt Lake City, Utah 84111

Attention: Edwin B. Ishell, Geologist

Re: Well No. Mandel Federal #1  
Sec. 27, T. 8 S., R. 20 E.,  
Uintah County, Utah

Gentlemen:

This letter is to advise you that the Induction Electric GR-Sonic Caliper Logs for the above mentioned well are due and have not been filed with this Commission as required by our rules and regulations.

Please be advised that all information will be held confidential.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER  
RECORDS CLERK

KGW:bc

January 11, 1963

The Shamrock Oil & Gas Corporation  
870 First Security Building  
Salt Lake City, Utah

Re: Well No. Mandel Federal #1  
Sec. 27, T. 8 S., R. 20 E.,  
Uintah County, Utah.

Gentlemen:

We are in receipt of your "Well Completion or Recompletion Report and Log", for the above mentioned well. However, upon checking, we find that the date this well was plugged and abandoned has been omitted. It has also been noted that a Caliper Log was run which we have not received.

We would appreciate it very much if you would forward said information as soon as possible. Thank you for your cooperation in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER  
RECORDS CLERK

KGW:sch

11.



THE SHAMROCK OIL AND GAS CORPORATION

POST OFFICE BOX 671 BUILD.

BOX 671 AMARILLO TEXAS 79101

Salt Lake City, Utah 84111

December 23, 1964

Reply to:  
Intermountain Exploration District  
First Security Bldg. Room 870  
Salt Lake City, Utah 84111

State of Utah  
Oil and Gas Conservation Commission  
348 East South Temple  
Salt Lake City, Utah

Attention: Miss Clarella N. Peck

Gentlemen:

We wish to report that it will no longer be necessary  
for you to hold the well information confidential on any  
of Shamrock's wells.

Thank you for your fine cooperation in this regard.

Very truly yours,

Edwin B. Isbell  
Geologist

EBI:ls

POOR COPY